

## Claims

What is claimed is:

1. An apparatus for directing air flow, defogging, and deicing windshields and other a heat-resistant material having an interior or exterior surface.
2. The apparatus shall may be made appropriate materials to transport and direct headed or unheated air or gas.
3. Where applicable, the apparatus may be made of UV protected materials.
4. The apparatus in Claim 1 shall have one or more external sources which shall provide:
  - A blower and;
  - A air or gas source with appropriate heat or cooling source downstream from said blower and;
  - Temperature control or thermostat and;
  - Air flow regulation.
2. The basic apparatus (as stated in Claim 1) comprises of a single trunk which attaches to an external duct with an external single source.
3. However, several apparatuses (as stated in Claim 1) may daisy chain together from multiple sources.
4. The trunk (as stated in Claim 5) may be made of plastic molded plastic, air duct , of vinyl, rip-stop, or other environmentally resistant material
5. The basic apparatus (as stated in Claim 1) comprises of air one or more channels which attach to the trunk.
6. The air channel (as stated in Claim 8) length is appropriate to accommodate the surface wall, glass area, or enclosed area.
7. The air channels (as stated in Claim 8) may be made of molded plastic, plastic air duct , of vinyl, rip-stop, or other environmentally resistant material.
8. Each of the channels (as stated in Claim 8) may feature numerous outlets that disperse unheated or hot air the surface.
9. Optionally one or more air channels may include an air flow director to block or limit air flow to a particular area of the surface.

10. Alternately a wire mesh, or punch hole or other design may be used as apertures for air or gas discharge (as stated in Claim 9).
11. Additionally, one or more warm air discharges (as stated in Claim 9) may be added to control air flow.
12. Each of the air channels (as stated in Claim 8) may feature numerous outlets that disperse unheated or hot air onto the glass surface.
13. Several such apparatuses (as stated in Claim 1) may be incorporated into a vehicle to direct flowage.
14. The apparatus (as stated in Claim 1) may be held in place by it's affective air-weight or secured by other means to prevent slippage during vehicle operations.
15. Several such apparatuses (as stated in Claim 1) may be incorporated into a vehicle to heat each glass surface individually.
16. Optionally, more than one source (as stated in Claim 4) and subsequent air ducts may be added to accommodate the environment.